

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

HG1038  
East  
> 1  
1.347 mi.  
7112 ft.

PS 98 K  
1401 EMMONS AVE  
BROOKLYN, NY  
Site 2 of 4 in cluster HG

NY LTANKS  
NY Spills  
S101341230  
N/A

Relative:  
Higher

Actual:  
4 ft.

LTANKS:

Name: 1401 EMMONS AVENUE  
Address: 1401 EMMONS AVENUE  
City,State,Zip: BROOKLYN, NY  
Spill Number/Closed Date: 9412052 / 2005-12-19  
Facility ID: 9412052  
Site ID: 322567  
Spill Date: 1994-12-09  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: B3  
Cleanup Ceased: Not reported  
SWIS: 2401  
Investigator: AJWHITE  
Referred To: Not reported  
Reported to Dept: 1994-12-09  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
Meets Standard: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1995-01-25  
Spill Record Last Update: 2005-12-19  
Spiller Name: Not reported  
Spiller Company: NYC BOARD OF ED  
Spiller Address: Not reported  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 259856  
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead\_DEC Field was AUSTIN 04/29/2004: Spill site is reassigned from Zhitomirsky to Austin. Updated by Rashid Ahmed. 11/15/2005: Lead transferred to Joe White as part of the Spill Initiative Project. 12/08/2005: Mr. James Merlo, the coordinator for NYC School spills, called Joe White to indicate that the tank has been retested and passed. These passing results will be sent to the DEC for closure of failed tank test. 12/19/2005: Joe White received documentation from James Merlo showing subsequent tank tests passed on 9/29/2004 for both tanks at this location. The PBS identification associated with this spill is 2-356190. This information is sufficient for closing out the spill report for the tanks test failure of 12/09/1994."  
Remarks: "EX L 10 TO RETEST"

All TTF:

Facility ID: 9412052  
Spill Number: 9412052  
Spill Tank Test: 1543437  
Site ID: 322567

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Tank Number: Not reported  
Tank Size: 0  
Material: 0002  
EPA UST: Not reported  
UST: Not reported  
Cause: Not reported  
Source: Not reported  
Test Method: 00  
Test Method 2: Unknown  
Leak Rate: .00  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified Date: Not reported

All Materials:

Site ID: 322567  
Operable Unit ID: 1009841  
Operable Unit: 01  
Material ID: 374388  
Material Code: 0002A  
Material Name: #4 fuel oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1.00  
Units: L  
Recovered: .00  
Oxygenate: Not reported

SPILLS:

Name: PS 98 K  
Address: 1401 EMMONS AVE  
City, State, Zip: BROOKLYN, NY  
Spill Number/Closed Date: 1404552 / 2017-03-20  
Facility ID: 1404552  
Facility Type: ER  
DER Facility ID: 452947  
Site ID: 497953  
DEC Region: 2  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 2401  
Spill Date: 2014-07-25  
Investigator: vszhune  
Referred To: Not reported  
Reported to Dept: 2014-07-28  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2014-07-28  
Spill Record Last Update: 2017-03-20

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Spiller Name: Not reported  
Spiller Company: PS 98 K  
Spiller Address: Not reported  
Spiller Company: 999  
Contact Name: BECKY  
DEC Memo: "7/28/1-Zhune spoke to Becky from AKRF (914-263-8730). She said They were doing soil investigation around the 2(10000-gallons)USTs. They performed borings and found soil contamination. The two tanks are going to be removed and the spil contamination is going to be removed. 9/3/14Zhune spoke to Becky. She said this is a big project they are going to remove the boiler, tanks and the soil contamination. This project is going to star in five month. She will send the closure report. 8/5/15-Michael Rosati from AB Environmental called. He said they are removing the soil contamination. he will send the reports. Michael Rosati cell: 631-484-0320 cell: 631-680-3550 9/14/15-Zhune sent the following email to Michael Rossati. The Department)reviewed the Tank Closure Plan Report dated July 2015 and the Site Plan for the above spill. The Department has the following requirements/questions: 1.Please submit photos of the dewatering process including fractionation tanks as our Water Unit is seeking confirmation of the process. 2.Provide a description of the disposal of the water of the site (eg discharge or fractionation tanks) 3.Is the Long Island Well Permit still needed as you indicated that the dewatering was completed? 4.You had indicated that the excavation was completed despite the Department not approving the Work Plan to date. What is the status of the site? Has excavation been completed and endpoint samples collected? Is the scope of the proposed work in the Work Plan still valid? 9/15/15-Rebecca Kinal sent the following information via email, dated 8/18/15. As discussed, AKRF works for the NYC School Construction Authority (NYSCSA), and we conducted the original UST investigation at the site and reported the spill. The remediation is currently being conducted by AB Environmental who is a subcontractor to the GC for the overall boiler upgrade project at the school. As part of their contract, AB is responsible for obtaining dewatering permits etc. needed for performing the remediation work. See below in red for answers to the dewatering questions you sent to Mike Rosati at AB. Regarding your 4th question: as per the recommendations in our October 2014 UST investigation report, the remediation is currently underway. Both fuel oil tanks were removed in early August and, as of this morning, approximately 3,500 tons of soil have been excavated from around the tanks and disposed of off-site at CleanEarth of Carteret. As discussed, sheeting was installed around the excavation area and all soil is being removed from within the sheeting down to approximately 14 feet below grade (past the water table, which is at about 10 feet below grade). See the attached plan showing the extent of excavation. We expect that soil excavation will be completed today. As discussed, our plan was to apply ORC/Regenox to water at the bottom of the excavation prior to backfilling. attached are a few photos of the excavation area. 1.Please submit photos of the dewatering process including fractionation tanks as our Water Unit is seeking confirmation of the process. Dewatering is currently being conducted using sumps/sump pumps, which pump water to frac tanks. The tanks are pumped out as needed using a vac truck and disposed of off-site. See attached photo. 2.Provide a description of the disposal of the water of the site (eg discharge or fractionation tanks). The water is being transported by the vac trucks to Clean Water of NY in Staten Island. As of 9/1/15, approximately 50,000 gallons of water were transported off-site for disposal at Clean Water. 3.Is the Long Island Well

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Permit still needed as you indicated that the dewatering was completed? The LI Well Permit likely will not be needed as most of the excavation has been completed using the current dewatering methods. 9/15/15- Zhune sent the following email to Rebecca. Please do not apply any ORC/Regenox until the Department review the groundwater results from the excavation. We are looking toward to the investigation result 9/21/15-Rebecca Kinal sent the following information via email, dated 8/18/15. The analytical results collected from bottom of the excavation. She will call on Monday to discuss whether application of ORC/Regenox is appropriate based on these results. Following that discussion, the contractor will complete the following steps: 1. Pump remaining LNAPL from water at the bottom of the excavation. 2. If approved by DEC, apply ORC/RegwenOx to the water surface (1000 pounds each of ORCA, Regenox PartA, and Regenox part B would be applied and evenly distributed in the excavation) 3. Backfill the excavation with blue stone in the saturated zone followed by imported clean soil. They will attempt to collect sidewall samples as the sheeting is remove. However this may not be feasible, since the excavation may have to be completed backfilled before the sheets can be pulled. If this is the case, they would request that the NYSDEC consider relying on the delineation sample results from the October 2014 UST Investigation Report. 3/1/16-Tom Perez sent the following email. I will contact my colleague regarding spill #1404552. I was not overseeing that particular spill. I will update you as soon as I have more information. 1/3/16-Tom Perez sent the following email I will contact my colleague regarding spill #1404552. I was not overseeing that particular spill. I will update you as soon as I have more information. 3/1/16- Rebecca called to say that they finished work at this site. They are in the process to finalize the report. The report will be sent to the DEC in two month. 11/9/16-Rebecca Kinal from AKRF emailed the Underground Storage Tank Site Investigation Report dated 10/21/14. The report stated that based on the results of the SI, AKRF concludes the following: 1. NPAL and/or petroleum staining, odors, and elevated PID readings grater than 10ppm were observed in soil borings SB-1, SB-2, SB-3, SB-3A, SB-3B, SB-3C and SB-4. 2. No or minimal field evidence of contamination was observed in soil borings SB\_1A, SB\_2B, SB-3D and SB-5; VOC or SVOC concentration in soil samples from these borings were al below their respective CP-51 SCIs. Therefore this borings appear to delineate the northern, eastern and western extent of the petroleum contamination. Based on the SI findings and our understanding that the fuel oil system will be completely removed and replaced with a gas-fired system, AKRF recommends the following: 1. Cleaning the UST and associated piping/appurtenances to remove all oil, sludge and sediment, and properly disposing/recycling the tank contents in accordance with applicable regulations. 2. Removing the USTs and associated piping/appurtenances, and properly disposing all scarp metal and other waste in accordance with applicable regulations. 3. Remediating the petroleum spill by excavating contaminated soil down to water table to the extent feasible and properly disposing of it off-site. Additional measures may be required to address potential residual contamination in soil /and or groundwater, such as application of RegenOx or other chemical oxidation product. 4. Updating the PBS facility registration to reflect removal of the USTs. 11/9/16-Rebecca Kinal from AKRF emailed the Underground Storage Tank Closure and Spill Remediation Report dated 10/18/16. The following activities were completed as part of the UST closure and spill remediation work at the Site: 1. The two 10,000-gallon fuel oil underground storage

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tanks were properly cleaned and removed in accordance with the contract specifications and applicable regulations. The PBS registration for the Site has been updated, and the tanks are currently listed closed-removed. 2. Approximately 4,145 tons of petroleum-contaminated soil were excavated from around the removed USTs and disposed of off-site. The soil excavation extended to approximately 5 feet below the water table and across the aerial extent of contamination delineated during the AKRF's 2014 UST SI. In general, as the excavation progressed away from the tank locations, the excavated soil exhibits less evidence of contamination, with lower PID readings (less than 5 ppm) and no heavy staining or obvious odors noted. Due to steel sheet piling surrounding the soil removal area and groundwater in the bottom of the excavation, post-remediation sidewall and bottom endpoint soil samples could not be collected. 3. Approximately 127,000 gallons of petroleum-contaminated groundwater were pumped from the excavation and disposed of off-site during the spill remediation activities. In addition, recoverable LNAPL was removed from the groundwater surface prior to backfilling, such that only a slight sheen was noted on the water surface in a small area within the southeastern portion of the excavation. 4. An endpoint soil sample was collected from under the former UST fill lines and analyzed for the CP-51 Table 3 list of VOCs and SVOCs. Results indicated that only one compound [indeno(1,2,3-cd)anthracene] was detected above its CP-51 Soil Cleanup Level SCL. The detected concentration (520 g/kg) only slightly exceeded the SCL of 500 g/kg, and is consistent with the presence of urban fill and not of petroleum contamination related to the fill lines. 5. A groundwater sample was collected from the excavation prior to backfilling and analyzed for CP-51. Results indicated four VOCs (1,2,4-trimethylbenzene (10 ug/l), benzene (3 ug/l), naphthalene (25 ug/l) and six SVOCs [benzo(a)anthracene (2.3 ug/l), benzo(a)pyrene (1.3 ug/l), benzo(b)fluoranthene (0.94 ug/l), benzo(k)fluoranthene (0.32 ug/l), chrysene (3.2 ug/l), and indeno(1,2,3-cd)pyrene (0.42 ug/l)] were detected above the NYSDEC Class GA Ambient Standard. 11/9/16-Today J. Vought, V. Zhune from DEC, B. Kinal from AKRF and Paul from SCA had a conference phone. Becky and Paul are going to seek SCAs approval on performance of inspection in the basement of the school to ensure no impact including sump inspection. 1/13/17-Rebecca Kinal sent the following email in response to sensitive receptor survey. I inspected the I.S. 98K boiler room on Wednesday (1/11) to check for potential oil/LNAPL seepage through the foundation wall and/or accumulation in the boiler pit sump. The inspection focused on the northern wall of the basement, adjacent to the location of the former underground storage tanks. During the inspection no evidence of oil seepage was noted, and no oil/LNAPL was observed in/on water removed from the boiler pit sump using a disposal bailer. In addition, no oil was detected when an oil-water interface probe was lowered into the sump pit. A photo log of our inspection and basement floor plan sketch are attached. Based on the result of the underground storage tank closure and spill remediation report and the result of the receptor survey this spill is closed."

Remarks:

All Materials:

Site ID: 497953  
Operable Unit ID: 1247404  
Operable Unit: 01  
Material ID: 2248688  
Material Code: 0002A  
Material Name: #4 fuel oil

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Site

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EDR ID Number  
EPA ID Number

Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: G  
Recovered: Not reported  
Oxygenate: Not reported

Name: SANDY FOLLOW UP  
Address: 1401 EMMONS AVENUE  
City,State,Zip: BROOKLYN, NY  
Spill Number/Closed Date: 1208657 / 2013-04-23  
Facility ID: 1208657  
Facility Type: ER  
DER Facility ID: 435742  
Site ID: 471720  
DEC Region: 2  
Spill Cause: Storm  
Spill Class: C4  
SWIS: 2401  
Spill Date: 2012-10-29  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 2012-11-02  
CID: Not reported

Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2012-11-02  
Spill Record Last Update: 2013-04-23  
Spiller Name: BECKY KINEL  
Spiller Company: STORM  
Spiller Address: IS 98 EMMONS AVE  
Spiller Company: 999  
Contact Name: BOB KANAPERTHI  
DEC Memo: "Closure report from AKRF in edocs.Clean up was overseen by AKRF.Based on AKRF s visual inspection of the boiler room, mechanical spaces, and storage rooms following spill remediation activities, no further actions are recommended. Case closed.(sr)"  
Remarks: "school - water and oil in basement - clean up pending"

All Materials:

Site ID: 471720  
Operable Unit ID: 1221576  
Operable Unit: 01  
Material ID: 2220229  
Material Code: 0002A  
Material Name: #4 fuel oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Oxygenate: Not reported